

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
 )  
 John SANTHOFF et al. )  
 )  
 Serial No.: To be assigned )  
 )  
 Filed: February 10, 2004 )  
 )  
 For: ULTRA-WIDEBAND )  
 COMMUNICATION THROUGH )  
 A POWER GRID )

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San Diego, California

MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir or Madam:

In accordance with 37 C.F.R. § 1.56, Applicants make the documents listed on the enclosed form PTO/SB/08 (submitted in duplicate) of record in the above-identified application. In accordance with 37 C.F.R. § 1.97, this statement is not to be construed as a representation that a search has been made, and is not a representation that the information cited is effective as prior art to the application or is material to patentability.

Copies of the U.S. patents and U.S. patent application publications listed on the enclosed form PTO/SB/08 are not enclosed, in accordance with the waiver of the requirement of 37 C.F.R. § 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 that appears in the Official Gazette Notice (Week No. 31) dated August 5, 2003 and entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003".

The foreign patent document listed on the enclosed form PTO/SB/08 was cited in earlier application Serial No. 10/177,313. Therefore, in accordance with 37 C.F.R. § 1.98(d), a copy of the foreign patent document listed on the enclosed form PTO/SB/08 is not enclosed. However, enclosed please find three non-patent literature documents for consideration, which are newly cited with this continuation-in-part patent application.

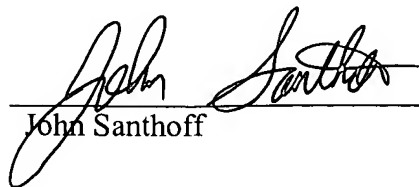
It is respectfully requested that the documents listed on the enclosed form PTO/SB/08 be (1) fully considered by the U.S. Patent and Trademark Office in the examination of the above-identified application; and (2) printed on any patent which may issue on this application. It is also respectfully requested that a copy of the enclosed form PTO/SB/08, as considered and initialed by the Examiner, be returned to the undersigned with the next communication in accordance with M.P.E.P. § 609.

This Information Disclosure Statement is filed within three months of the filing date of the above-identified application, pursuant to 37 C.F.R. 1.97(b). Therefore, it is believed that no fee is required in connection with this submission.

Respectfully submitted,

2-10-2004

Date

  
John Santhoff

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	To be assigned
Filing Date	February 10, 2004
First Named Inventor	John Santhoff
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	028CIP-119

Sheet 1 of 3

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,728,632	04-17-1973	Gerald F. Ross	
		US- 4,641,317	02-03-1987	Larry W. Fullerton	
		US- 4,743,906	05-10-1998	Larry W. Fullerton	
		US- 4,813,057	03-14-1989	Larry W. Fullerton	
		US- 4,815,106	03-21-1989	Michael B. Propp	
		US- 4,864,589	09-05-1989	Kaoru Endo	
		US- 4,979,186	12-18-1990	Larry W. Fullerton	
		US- 5,051,720	09-24-1991	Kitti Kittirutsuneto	
		US- 5,278,862	01-11-1994	Timothy J. Vander Mey	
		US- 5,363,108	11-08-1994	Larry W. Fullerton	
		US- 5,485,040	01-16-1996	Philip H. Sutterlin	
		US- 5,491,463	02-13-1996	Matthew G. Sargeant	
		US- 5,523,760	06-04-1996	McEwan	
		US- 5,554,968	09-10-1996	Raymond Lee	
		US- 5,677,927	10-14-1997	Larry W. Fullerton	
		US- 5,687,169	11-11-1997	Larry W. Fullerton	
		US- 5,729,607	03-17-1998	Anthony DeFries et al.	
		US- 5,745,837	04-28-1998	Amir Michael Fuhrmann	
		US- 5,744,526	06-30-1998	Michael B. Propp et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 02/31986	04-18-2002	Xtremespectrum, Inc.		

Examiner  
SignatureDate  
Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet **2**of **3****Complete if Known**

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,864,284	01-26-1999	Lelon Wayne Sanderson	
		US- 5,937,342	08-10-1999	Paul A. Kline	
		US- 5,940,387	08-17-1999	Richard Humpleman	
		US- 5,944,842	08-31-1999	Michael B. Propp et al.	
		US- 5,982,276	11-09-1999	William L. Stewart	
		US- 6,031,862	02-29-2000	Larry W. Fullerton et al.	
		US- 6,040,759	03-21-2000	Lelon Wayne Sanderson	
		US- 6,178,217	01-23-2001	Anthony DeFries et al.	
		US- 6,281,784	08-28-2001	Robert E. Redgate et al.	
		US- 6,373,377	04-16-2002	Frank Sacca et al.	
		US- 6,586,999	07-01-2003	Richley	
		US- 2001/0011930 A1	08-09-2001	Kintis et al.	
		US- 2001/0054953 A1	12-27-2001	Paul A. Kline	
		US- 2002/0024423 A1	02-28-02	Paul A. Kline	
		US- 2002/0076193 A1	06-20-2002	Melick et al.	
		US- 2003/0202537 A1	10-30-2003	Rogerson et al.	
		US-			
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		US-			

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Sheet 3 of 3

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ECHELON, Powerline Communications, 05-16-1997, 50 pages	
		POWERLINE COMMUNICATIONS, Powerline Coexistence, White paper, 03/2001, 12 pages	
		DAN RAPHAELI & EVGENI BASSIN, A Comparison between OFDM, Single Carrier, and Spread Spectrum for High Data Rate PLC, 04/1999, White paper, 6 pages	

Examiner Signature		Date Considered	
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